

WHAT IS CLAIMED IS:

1. A spray comprising:

a hollow first main shaft through which a fluid pass;

a main shaft rotation portion fitted on the first main shaft so as to be rotatable around the first main shaft;

an external ring fitted on the main shaft rotation portion, the external ring pressing the main shaft rotation portion onto the first main shaft so that the fluid can not enter the interface between the main shaft rotation portion and the first main shaft;

a three- or four-way joint connected to the main shaft rotation portion, the three- or four-way joint having joint portions, at least the joint portions other than the joint portion connected to the main shaft rotation portion being substantially spherical, the three- or four-way joint being capable of dividing the fluid having passed through the main shaft rotation portion, in two or three directions;

an angle joint connected to the three- or four-way joint, the angle joint having at its one end a substantially spherical joint portion and at its other end a concave bearing portion, the bearing portion being

able to be closely fitted on the joint portion and allowing the connection angle to be freely changed; and

a nozzle joint connected to the three- or four-way joint or the angle joint, the nozzle joint having at its one end a nozzle and at its other end a concave bearing portion, the bearing portion being able to be closely fitted on the joint portion and allowing the connection angle to be freely changed,

the main shaft rotation portion being rotated by the force of the fluid being sprayed out of the nozzle joint.

2. The spray according to claim 1, wherein the main shaft rotation portion can be split into two pieces.

3. The spray according to claim 1, wherein the main shaft rotation portion has, at the connection portion to the joint portion, a concave bearing portion that can be closely fitted on the joint portion and allows the connection angle to be freely changed.

4. The spray according to claim 1, wherein the three- or four-way joint is connected to the first main shaft through a pipe provided within the main shaft rotation portion.

5. The spray according to claim 1, wherein the joint portion allows the connection angle to be changed

within an angle range of 20 degrees relative to an axial center.

6. The spray according to claim 1, wherein each of the first main shaft, the main shaft rotation portion, the three- or four-way joint, the angle joint, and the nozzle joint, is made of polyethylene terephthalate (PET).